Report Date: 25 Apr 2014

Summary Report for Individual Task
441-096-2421
Emplace the Surface Wire-Grounding System (SWGS)
Status: Approved

Condition: In a tactical environment, in accordance with local SOP you are directed to emplace the SWGS. Some iterations of this task should be performed in MOPP 4.

Standard: Emplace the SWGS, without causing injury to self or other personnel, with no damage to the equipment, with minimal damage to the environment, and within the time prescribed by local command directives.

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: Emplace the Surface Wire-Grounding System (SWGS).

DANGER

None

WARNING

None

CAUTION

None

Remarks: None

Notes: All required AIr Defense specific references and technical manuals will be provided by the local Air Defense Command.

Performance Steps

1. Locate the stowed grounding kit.

2. Ensure that all equipment is in good repair.

   a. Three-pound sledge hammer.

   b. Cable stakes.

   c. Cable assembly.

   d. Two jumper cables.

3. Lay the cable around the front of the vehicle.

4. Distribute the stakes evenly at approximately five-foot intervals while creating an open-ended ("U" shaped) pattern with no overlapping cables.

5. Attach the end of the cable with the open adapter to the grounding lug on the Power Entry Panel (PEP) and hand tighten.

WARNING

Use eye protection when driving stakes into the ground.

6. Begin driving stakes with the stake closest to the grounding stud.

   a. Choose a spot just below the Power Entry Panel.

   b. Pull the cable until it is tight, but not tight enough to pull the cable off the grounding lug.

   c. Drive the stake into the ground until the top is flush with the ground.

7. Position the wire in a general "U" shape around the vehicle, making sure that the jumper cables can be positioned on bare metal on the front bumper and the rear bumper of the shelter.

8. Drive in the last stake.

9. Drive the remaining stakes into the ground approximately 4 feet apart.

10. Recheck the first stake to be sure that it is pinching the wire against the ground so that it will not slide through the hole in the stake.

11. Connect one of the jumper cables from the front bumper of the vehicle to the center of the SWGS cable.

12. Connect the second jumper cable from the rear curbside bumper of the vehicle to the end of the SWGS cable.
    Note: You must have good metal-to-metal contact between the jumper wire clip and the vehicle.

13. Place the hammer in the carrying case.

14. Stow the carrying case.

15. Ensure the SWGS is still securely attached to the grounding stud.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all steps are passed (P). Score the Soldier NO-GO if any step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references, and equipment required to perform the task are available. Use the performance measures and the references to score the Soldier's performance. Inform the Soldier as to what he/she is required to perform IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Ensured that all equipment is in good repair.			
2. Laid the cable around the front of the vehicle.			
3. Distributed the stakes evenly at approximately five-foot intervals while creating an open-ended ("U" shaped) pattern with no overlapping cables.			
4. Attached the end of the cable with the open adapter to the grounding lug on the Power Entry Panel (PEP).			
5. Drove the stake closest to the grounding stud.			
6. Positioned the wire in a general "U" shape around the vehicle, making sure that the jumper cables can be positioned on bare metal on the front bumper and the rear bumper of the shelter.			
7. Drove in the last stake.			
8. Drove the remaining stakes into the ground approximately 4 feet apart.			
9. Rechecked the first stake.			
10. Connected one of the jumper cables from the front bumper of the vehicle to the center of the SWGS cable.			
11. Connected the second jumper cable from the rear curbside bumper of the vehicle to the end of the SWGS cable.			
12. Placed the hammer in the carrying case.			
13. Stowed the carrying case.			
14. Ensured the SWGS is still securely attached to the grounding stud.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	USOP	Unit SOP	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
441-096-2420	Perform March Order of the Surface Wire Grounding System (SWGS)	441 - Air Defense (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
441-HHH-2420	Perform March Order of the Surface Wire Grounding System (SWGS)	441 - Air Defense (Individual)	Analysis
441-096-2420	Perform March Order of the Surface Wire Grounding System (SWGS)	441 - Air Defense (Individual)	Approved
441-HHH-2420	Perform March Order of a Surface Wire-Grounding System (SWGS)	441 - Air Defense (Individual)	Analysis

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 14H - Air Defense (AD) Enhanced Early Warning Operator - SL1	Enlisted	MOS: 14H, Skill Level: SL1, Duty Pos: DQH